

PRODUCTION METHOD OF ULTRAFINE GOLD PARTICLE DISSOLVED WATER AND DEVICE THEREFOR

Veröffentlichungsnr. (Sek.) ☐ EP1238946

Veröffentlichungsdatum : 2002-09-11

Erfinder : UEDA YOSHIO (JP); TAKASE HIROAKI (JP);
HIRATA YOSHIHIRO (JP)

Anmelder : PHILD CO LTD (JP)

Veröffentlichungsnummer : AU769191

Aktenzeichen:(EPIDOS-INPADOC-normiert) EP20000974863 20001109

Prioritätsaktenzeichen:(EPIDOS-INPADOC-normiert) WO2000JP07885 20001109; JP19990327653
19991118

Klassifikationssymbol (IPC) : C02F1/68; A23L1/30; A23L2/52; B01J19/00;
C01B5/00

Klassifikationssymbol (EC) : C02F1/68, B01J3/02, B01J19/24

Korrespondierende Patentschriften AU1303501, BR0015660, CA2392031,
HU0300159, ☐ JP2001137866, NO20022365,
☐ WO0136337

Cited patent(s):

Bibliographische Daten

The present invention realized the production of a water product having excellent physiological activity such as health promoting activity and the utilization of the water, in which ultrafine gold particles having a diameter as small as 1-2 figures in micron order, much smaller than any ordinary fine gold particles, are dissolved. According to the present invention, an aqueous ultrafine gold particle solution is produced using an apparatus comprising a pressure-resistant vessel equipped with a high-pressure water tank, a jet nozzle, an ignition device, and a combustion chamber, in which a gas mixture consisting of hydrogen and oxygen is combusted in highly pressurized water, in which gold leaf fragments are suspended, and then the gold leaf fragments are heated and melted by the resulting combustion gas. ☐

Daten aus der esp@cenet Datenbank - - I2